

Nonfolding Sanitary Food Container Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
322215, Nonfolding sanitary food container manufacturing	2002..	36	72	13 010	407 382	10 756	21 417	307 178	1 391 100	1 678 410	3 024 550	'129 069
	2001..	N	N	13 195	410 231	11 531	23 428	331 829	1 254 944	1 740 371	2 997 067	77 672
	2000..	N	N	14 076	430 949	12 188	24 446	351 396	1 251 959	1 763 710	3 024 496	85 797
	1999..	N	N	14 254	432 943	12 375	25 163	350 014	1 148 270	1 817 365	2 973 934	115 474
	1998..	N	N	14 701	447 284	12 609	25 449	342 269	1 295 812	1 657 824	2 960 066	111 056
	1997..	46	82	14 709	436 010	12 377	25 328	336 174	1 170 676	1 516 411	2 670 930	65 827

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
322215, Nonfolding sanitary food container manufacturing												
United States	—	72	58	13 010	407 382	10 756	21 417	307 178	1 391 100	1 678 410	3 024 550	129 069
California	4	12	7	756	23 487	587	1 093	15 974	75 489	94 665	168 789	2 452
Indiana	2	4	3	176	5 002	140	458	3 419	16 935	17 956	32 911	314
New York	—	6	4	906	31 426	761	826	25 361	83 701	76 344	163 026	5 362

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
322215, Nonfolding sanitary food container manufacturing	
Companies ¹	number.. 36
All establishments ²	number.. 72
Establishments with 1 to 19 employees	number.. 14
Establishments with 20 to 99 employees	number.. 15
Establishments with 100 employees or more	number.. 43
All employees ³	number.. 13 010
Total compensation	\$1,000.. 536 295
Annual payroll	\$1,000.. 407 382
Total fringe benefits	\$1,000.. 128 913
Production workers, average for year	number.. 10 756
Production workers on March 12	number.. 10 790
Production workers on May 12	number.. 10 891
Production workers on August 12	number.. 10 756
Production workers on November 12	number.. 10 564
Production worker hours	1,000.. 21 417
Production worker wages	\$1,000.. 307 178
Total cost of materials	\$1,000.. 1 678 410
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 556 319
Resales	\$1,000.. 63 704
Purchased fuels	\$1,000.. 7 986
Purchased electricity	\$1,000.. 40 698
Contract work	\$1,000.. 9 703
Quantity of electricity purchased for heat and power	1,000 kWh.. 710 685
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 3 024 550
Primary products value of shipments	\$1,000.. 2 697 544
Secondary products value of shipments	\$1,000.. 187 812
Total miscellaneous receipts	\$1,000.. 139 194
Value of resales	\$1,000.. 113 842
Contract receipts	\$1,000.. -
Other miscellaneous receipts	\$1,000.. 25 352
Primary products specialization ratio	percent.. 93
Value of primary products shipments made in all industries	\$1,000.. 2 935 392
Value of primary products shipments made in this industry	\$1,000.. 2 697 544
Value of primary products shipments made in other industries	\$1,000.. 237 848
Coverage ratio	percent.. 92
Value added	\$1,000.. 1 391 100
Total inventories, beginning of year	\$1,000.. 253 658
Finished goods inventories	\$1,000.. 142 837
Work-in-process inventories	\$1,000.. 17 749
Materials and supplies inventories	\$1,000.. 93 072
Total inventories, end of year	\$1,000.. 374 468
Finished goods inventories	\$1,000.. 162 894
Work-in-process inventories	\$1,000.. 42 652
Materials and supplies inventories	\$1,000.. 168 922
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '1 055 309
Total capital expenditures (new and used)	\$1,000.. '129 069
Buildings and other structures (new and used)	\$1,000.. '20 771
Machinery and equipment (new and used)	\$1,000.. '108 298
Automobiles, trucks, etc., for highway use	\$1,000.. '796
Computers and peripheral data processing equipment	\$1,000.. '1 451
All other expenditures for machinery and equipment	\$1,000.. '106 051
Total retirements	\$1,000.. '27 005
Gross value of depreciable assets at end of year	\$1,000.. '1 157 373
Depreciation charges during year	\$1,000.. '67 169
Total rental payments	\$1,000.. 29 843
Buildings and other structures	\$1,000.. 9 058
Machinery and equipment	\$1,000.. 20 785
Total other expenses ⁴	\$1,000.. 99 209
Response coverage ratio ⁵	percent.. 91
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 18 075
Communications services ⁴	\$1,000.. 1 376
Legal services ⁴	\$1,000.. 474
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 51
Advertising and promotional services ⁴	\$1,000.. 172
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 375
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 2 283
Management consulting and administrative services ⁴	\$1,000.. 2 126
Taxes and license fees ⁴	\$1,000.. 4 573
All other expenses ⁴	\$1,000.. 69 712

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
322215, Nonfolding sanitary food container manufacturing											
All establishments	—	72	13 010	407 382	10 756	21 417	307 178	1 391 100	1 678 410	3 024 550	'129 069
Establishments with—											
1 to 4 employees	9	5	9	286	8	17	250	797	919	1 716	'38
5 to 9 employees	5	3	19	663	14	42	514	1 637	2 296	3 943	'58
10 to 19 employees	9	6	87	2 933	71	178	2 263	8 594	9 244	17 606	'1 005
20 to 49 employees	2	8	299	7 947	222	581	4 925	19 674	32 965	52 541	D
50 to 99 employees	—	7	e	D	D	D	D	D	D	D	4 065
100 to 249 employees	—	31	4 926	158 746	3 927	8 053	110 176	482 022	906 460	1 407 409	'69 268
250 to 499 employees	—	6	2 445	72 107	2 030	3 783	54 986	342 225	213 823	540 833	'28 157
500 to 999 employees	—	4	2 478	83 887	1 966	3 302	64 409	271 935	233 294	484 851	14 403
1,000 to 2,499 employees	—	2	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	10	84	2 768	75	158	2 420	7 873	8 742	16 615	'358

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
322215	Nonfolding sanitary food container manufacturing	72	13 010	407 382	10 756	21 417	307 178	1 391 100	1 678 410	3 024 550	'129 069
3222151	Milk and milk-type paperboard cartons, including juice, beverage, and other products	17	2 124	80 162	1 740	3 570	60 384	249 937	563 599	799 206	'62 696
3222153	Cups and liquid-tight paper and paperboard containers	19	7 638	235 412	6 358	12 261	183 473	735 181	725 116	1 424 011	'40 014
3222155	Other sanitary paper and paperboard food containers, boards, and trays, except folding ..	22	3 079	87 247	2 513	5 292	59 703	393 495	377 156	776 372	25 747

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
322215	Nonfolding sanitary food container manufacturing	2002.. N 1997.. N	X X	X X	2 935 392 2 482 816
3222151	Milk and milk-type paperboard cartons, including juice, beverage, and other products	2002.. N 1997.. N	X X	X X	738 297 672 333
32221511	Milk and milk-type paperboard cartons, including juice, beverage, and other products	2002.. N 1997.. N	X X	X X	738 297 672 333
3222151100	Milk and milk-type paperboard cartons, including juice, beverage, and other products 1,000 s tons..	2002.. 6 1997.. 7	X X	S 486.1	738 297 672 333
3222153	Cups and liquid-tight paper and paperboard containers	2002.. N 1997.. N	X X	X X	1 421 576 1 132 893
32221531	Cups and liquid-tight paper and paperboard containers	2002.. N 1997.. N	X X	X X	1 294 814 1 112 955
3222153111	Liquid-tight and round-nested paperboard food containers, including lids and tops	2002.. 5 1997.. 5	X X	S S	339 946 217 801
3222153121	Paperboard drinking cups and portion serving cups 1,000 s tons..	2002.. 17 1997.. 20	X X	S S	954 868 895 154
3222153Y	Cups and liquid-tight paper and paperboard containers, nsk	2002.. N 1997.. N	X X	X X	126 762 19 938
3222153YVV	Cups and liquid-tight paper and paperboard containers, nsk	2002.. N 1997.. N	X X	X X	126 762 19 938
3222155	Other sanitary paper and paperboard food containers, boards, and trays, except folding	2002.. N 1997.. N	X X	X X	754 327 651 125
32221551	Other sanitary paper and paperboard food containers, boards, and trays, except folding	2002.. N 1997.. N	X X	X X	747 261 635 683
3222155111	Pressed paperboard plates, dishes, spoons, and similar products 1,000 s tons..	2002.. 10 1997.. 16	X X	S S	645 530 441 475
3222155121	Other sanitary paper and paperboard items, including tablecloths, soda straws, and ovenable paperboard food trays	2002.. 18 1997.. 16	X X	X X	101 731 194 208
3222155Y	Other sanitary paper and paperboard food containers, boards, and trays, except folding, nsk	2002.. N 1997.. N	X X	X X	7 066 15 442
3222155YVV	Other sanitary paper and paperboard food containers, boards, and trays, except folding, nsk	2002.. N 1997.. N	X X	X X	7 066 15 442
322215W	Nonfolding sanitary food container manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	21 192 26 465
322215WY	Nonfolding sanitary food container manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	21 192 26 465
322215WYWW	Nonfolding sanitary food container manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	5 111 11 248
322215WYWY	Nonfolding sanitary food container manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	16 081 15 217

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3222151	Milk and milk-type paperboard cartons, including juice, beverage, and other products	
	United States 2002 ..	738 297
	..... 1997 ..	672 333
3222153	Cups and liquid-tight paper and paperboard containers	
	United States 2002 ..	1 421 576
	..... 1997 ..	1 132 893
	California 2002 ..	97 253
	..... 1997 ..	87 353
3222155	Other sanitary paper and paperboard food containers, boards, and trays, except folding	
	United States 2002 ..	754 327
	..... 1997 ..	651 125
	New York 2002 ..	42 391
	..... 1997 ..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
322215	Nonfolding sanitary food container manufacturing		
00900001	Total materials .....2002..	X	1 556 319
	.....1997..	X	1 385 856
32210005	Paper and paperboard (excluding boxes and containers) 1,000 s tons ..2002..	q1 611.7	1 030 588
	.....1997..	P1 330.6	1 031 160
32610021	Fabricated plastics products (including closures, ends, film, strapping, etc.) .....2002..	X	78 112
	.....1997..	X	42 349
33131503	Aluminum sheet, plate, and foil .....2002..	X	D
	.....1997..	X	D
32410009	Petroleum wax mil lb ..2002..	D	D
	.....1997..	90.5	29 168
32552002	Glues and adhesives .....2002..	X	12 539
	.....1997..	N	N
32591003	Printing inks mil lb ..2002..	S	33 481
	.....1997..	P11.3	37 716
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	241 139
	.....1997..	X	179 279
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	153 120
	.....1997..	X	62 689

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.